



Davis

STIC EIC 2100 108831 Search Request Form

Today's Date:

20 Nov 2003

What date would you like to use to limit the search?

Priority Date: 07/19/1994 Other:

Name James Seal

AU 2131 Examiner # 76900

Room # 4D11 Phone 308-4562

Serial # 09870584

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB

IEEE INSPEC SPI Other _____

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Any trading of a public & private key
on an optical disk with a symmetric
key for authentication and a
non-disclosure agreement
to keep public key secret.

STIC Searcher H. H. Way

Phone 308-7794

Date picked up 11-21-03

Date Completed 11-24-03



DIALOG-#51112
65 min.

Set	Items	Description
S1	419773	(OPTICAL OR COMPACT) (N) (DISC? OR DISK?) OR CD OR CDS OR CD-ROM
S2	266	SYMMETRIC()KEY? ?
S3	13037	PUBLIC()KEY? ?
S4	2920342	AGREEMENT? OR GUARANT? OR NONDISCLOSURE? OR LICENS? OR SIGN OR SIGNING OR SIGNED OR ACCEPT? OR NON()DISCLOSURE? OR PRIVACY OR CONTRACT? OR TRADE()SECRET?
S5	0	S1 AND SYMMETRIC?(2N)KEY? ?
S6	385	S1 AND KEY? ? AND S4
S7	3067577	PROTECT? OR SECUR? OR ENCRYPT? OR ENCIPHER? OR ENCYIPHER? OR CRYPTO? OR SAFE? OR RSA OR RIVEST?
S8	50	S6 AND S7
S9	38	RD (unique items)
S10	8	S9 NOT PY>1994
S11	8	S10 NOT PD=19940719:19960719
S12	8	S11 NOT PD=19960719:19990719
S13	8	S12 NOT PD=19990719:20010719
S14	8	S13 NOT PD=20010719:20031122
S15	296	S1(S)KEY? ? AND S6
S16	227	RD (unique items)
S17	54	S16 NOT PY>1994
S18	54	S17 NOT PD=19940719:19960719
S19	54	S18 NOT PD=19960719:19980719
S20	54	S19 NOT PD=19960719:19990719
S21	54	S20 NOT PD=19990719:20010719
S22	54	S21 NOT PD=20010719:20031120
S23	54	S22 NOT CD=19940719:20000719
S24	54	S23 NOT CD=20000719:20031120
S25	48	S24 NOT S14
File	8: Ei Compendex(R) 1970-2003/Nov W2	(c) 2003 Elsevier Eng. Info. Inc.
File	35: Dissertation Abs Online 1861-2003/Oct	(c) 2003 ProQuest Info&Learning
File	202: Info. Sci. & Tech. Abs. 1966-2003/Nov 17	(c) 2003 EBSCO Publishing
File	65: Inside Conferences 1993-2003/Nov W3	(c) 2003 BLDSC all rts. reserv.
File	2: INSPEC 1969-2003/Nov W2	(c) 2003 Institution of Electrical Engineers
File	94: JICST-EPlus 1985-2003/Nov W4	(c) 2003 Japan Science and Tech Corp (JST)
File	111: TGG Natl. Newspaper Index (SM) 1979-2003/Nov 18	(c) 2003 The Gale Group
File	233: Internet & Personal Comp. Abs. 1981-2003/Jul	(c) 2003, EBSCO Pub.
File	6: NTIS 1964-2003/Nov W4	(c) 2003 NTIS, Intl Cpyrgh All Rights Res
File	144: Pascal 1973-2003/Nov W2	(c) 2003 INIST/CNRS
File	434: SciSearch(R) Cited Ref Sci 1974-1989/Dec	(c) 1998 Inst for Sci Info
File	34: SciSearch(R) Cited Ref Sci 1990-2003/Nov W3	(c) 2003 Inst for Sci Info
File	62: SPIN(R) 1975-2003/Oct W1	(c) 2003 American Institute of Physics
File	99: Wilson Appl. Sci & Tech Abs 1983-2003/Oct	(c) 2003 The HW Wilson Co.

Set	Items	Description
S1	125101	(OPTICAL OR COMPACT) (N) (DISC? OR DISK?) OR CD OR CDS OR CD-ROM
S2	904	SYMMETRIC()KEY? ?
S3	5743	PUBLIC()KEY? ?
S4	836860	AGREEMENT? OR GUARANT? OR NONDISCLOSURE? OR LICENS? OR SIGN OR SIGNING OR SIGNED OR ACCEPT? OR NON()DISCLOSURE? OR PRIVACY OR CONTRACT? OR TRADE()SECRET?
S5	17	S1 (15N) SYMMETRIC?(2N)KEY? ?
S6	287	S1 (15N) KEY? ? (15N) S4
S7	220	S6 NOT AD=19940719:19960719
S8	136	S7 NOT AD=19960719:19990719
S9	68	S8 NOT AD=19990719:20020719
S10	68	S9 NOT AD=20020719:20031122
S11	8276	S1 (15N) S4
S12	487	S11(15N) (ENCRYPT? OR ENCIPHER? OR ENCODE? OR CYPHER? OR CIPHER? OR RSA? ? OR RIVEST)
S13	58	S12(S)KEY? ?
S14	3	S10 AND (PUBLIC? ? OR PRIVATE? ? OR SYMMETRIC?)
S15	54	S10 AND (SYMMETRIC? OR PUBLIC? OR PRIVATE? OR KEYPAIR?)
S16	108	S13 OR S15
S17	91	S16 NOT AD=19940719:19970719
S18	76	S17 NOT AD=19970719:20000719
S19	61	S18 NOT AD=20000719:20031121
S20	5	S5(S)S4
S21	4	S20 NOT AD=19940719:19980719
S22	0	S21 NOT AD=19980719:20030719
S23	152	S1(10N)KEY? ?(10N)S4
S24	41	S19 AND S23
S25	41	IDPAT (sorted in duplicate/non-duplicate order)
S26	40	IDPAT (primary/non-duplicate records only)
File 348:EUROPEAN PATENTS 1978-2003/Nov W02		
(c) 2003 European Patent Office		
File 349:PCT FULLTEXT 1979-2002/UB=20031113,UT=20031106		
(c) 2003 WIPO/Univentio		

26/5,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00727139

METHOD FOR ELECTRONIC LICENSE DISTRIBUTION
VERFAHREN ZUR ELEKTRONISCHEN LIZENZVERTEILUNG
PROCEDE POUR LA DISTRIBUTION DES LICENCES ELECTRONIQUES
PATENT ASSIGNEE:

NOVELL, INC., (1486133), 1555 North Technology Way, Orem, UT 84057-2399,
(US), (applicant designated states: DE;FR;GB)

INVENTOR:

ROSS, Cliff, D., 378 North 1180 East, Pleasant Grove, UT, (US)
TAYLOR, Neil, W., 1854 East 750 South, Springville, UT 84663, (US)

LEGAL REPRESENTATIVE:

Hanna, Peter William Derek et al (72341), Tomkins & Co., 5 Dartmouth Road
, Dublin 6, (IE)

PATENT (CC, No, Kind, Date): EP 754380 A1 970122 (Basic)
EP 754380 A1 971119
EP 754380 B1 990317
WO 9527354 951012

APPLICATION (CC, No, Date): EP 94922082 940701; WO 94US7504 940701

PRIORITY (CC, No, Date): US 223093 940404

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-001/00; H04L-009/00;

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Oppn None: 20000308 B1 No opposition filed: 19991218
Application: 951213 A International application (Art. 158(1))
Application: 970122 A1 Published application (A1with Search Report
;A2without Search Report)
Examination: 970122 A1 Date of filing of request for examination:
961102
Change: 971112 A1 Obligatory supplementary classification
(change)
Search Report: 971119 A1 Drawing up of a supplementary European search
report: 971006
Examination: 980107 A1 Date of despatch of first examination report:
971119
Change: 980722 A1 International patent classification (change)
Change: 980722 A1 Obligatory supplementary classification
(change)
Change: 980722 A1 Title of invention (German) (change)
Change: 980722 A1 Title of invention (English) (change)
Change: 980722 A1 Title of invention (French) (change)
Grant: 990317 B1 Granted patent

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9911	935
CLAIMS B	(German)	9911	830
CLAIMS B	(French)	9911	1044
SPEC B	(English)	9911	3955
Total word count - document A			0
Total word count - document B			6764
Total word count - documents A + B			6764

...SPECIFICATION key 712 that has no value may be procured electronically or by voice operator. Because **licenses** are disabled and cannot be enabled with an enabler **key**, the products supplied on a **CD -ROM** are protectable. A product becomes operable only when a enabler **key** is obtained from a fulfillment entity. Thus, in this embodiment of the present invention the...different types or versions of license sets and the format (e.g., multiple types of **licenses** on the same distribution media) used in placing them on the final distribution media (e.g., floppy diskette and **CD -ROM**).

During extraction, a **license** is read into memory. The **license** 's **encrypted** area is decrypted using Bsafe's RC2 secret **key** decryption algorithm. The license is stored in a file on the distribution media. The name...

Set	Items	Description
S1	153491	(OPTICAL OR COMPACT) (N) (DISC? OR DISK?) OR CD OR CDS OR CD-ROM
S2	95	SYMMETRIC()KEY? ?
S3	2489	PUBLIC()KEY? ?
S4	320653	AGREEMENT? OR GUARANT? OR NONDISCLOSURE? OR LICENS? OR SIGN OR SIGNING OR SIGNED OR ACCEPT? OR NON()DISCLOSURE? OR PRIVACY OR CONTRACT? OR TRADE()SECRET?
S5	4	S1 AND SYMMETRIC?(2N)KEY? ?
S6	92	S1 AND KEY? ? AND S4
S7	78	S6 NOT AD=19940719:19960719
S8	53	S7 NOT AD=19960719:19990719
S9	18	S8 NOT AD=19990719:20020719
S10	18	S9 NOT AD=20020719:20031122
S11	18	IDPAT (sorted in duplicate/non-duplicate order)
S12	18	IDPAT (primary/non-duplicate records only)
S13	2196	S1 AND S4
S14	102	S13 AND (ENCRYPT? OR ENCIPHER? OR ENCODE? OR CYPHER? OR CIPHER? OR RSA? ? OR RIVEST)
S15	86	S14 NOT AD=19940719:19960719
S16	71	S15 NOT AD=19960719:19980719
S17	52	S16 NOT AD=19980719:20000719
S18	19	S17 NOT AD=20000719:20031122
S19	17	S18 NOT S12
S20	17	IDPAT (sorted in duplicate/non-duplicate order)
S21	17	IDPAT (primary/non-duplicate records only)

File 347:JAPIO Oct 1976-2003/Jul(Updated 031105)
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File 350:Derwent WPIX 1963-2003/UD,UM &UP=200374
(c) 2003 Thomson Derwent

12/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010527575 **Image available**
WPI Acc No: 1996-024528/199603
XRPX Acc No: N96-020665

Information circulation device - defines information using recognition
number for every transmission of enciphered key

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7295674	A	19951110	JP 9490843	A	19940428	199603 B
JP 3412709	B2	20030603	JP 9490843	A	19940428	200343

Priority Applications (No Type Date): JP 9490843 A 19940428

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7295674	A		9	G06F-001/00	
JP 3412709	B2		9	G06F-001/00	Previous Publ. patent JP 7295674

Abstract (Basic): JP 7295674 A

The device enciphers information from an information provider (5) and stores in a CD ROM (1). The storage medium is distributed to the user. The key for decoding the information is used. The purchase demand from the information terminal (2) is received. The key information for decoding is transmitted to the information terminal and saved in a key management centre (3).

A key 'K2' is used for every recognition number of the information. Using the keys 'K1,K4' the recognition number demand purchase is transmitted to the key management centre. The decoding of the key 'K2' is performed, when enciphered key and preformed key are in agreement. The searched key is enciphered and transmitted to the information terminal. The recognition number for every transmission of the enciphered key 'K2' defines information based on information in account key management centre.

ADVANTAGE - Provides secrecy and confidentiality to user by preventing interception of communication circuit.

Dwg.1/6

Title Terms: INFORMATION; CIRCULATE; DEVICE; DEFINE; INFORMATION; RECOGNISE
; NUMBER; TRANSMISSION; ENCIPHER; KEY

Derwent Class: T01; W01

International Patent Class (Main): G06F-001/00

International Patent Class (Additional): G06F-015/00; H04L-009/06;

H04L-009/14

File Segment: EPI

21/5/8 (Item 8 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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008110333 **Image available**
WPI Acc No: 1989-375444/198951

Privacy picture information communication system - uses optical disc
units incorporated in transmitter and receiver to provide data for
secret encryption scrambling

Patent Assignee: HITACHI MAXELL KK (HITM)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 1282945	A	19891114	JP 88111452	A	19880510	198951 B

Priority Applications (No Type Date): JP 88111452 A 19880510

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 1282945	A		20		

Title Terms: PRIVATE; PICTURE; INFORMATION; COMMUNICATE; SYSTEM; OPTICAL;
DISC; UNIT; INCORPORATE; TRANSMIT; RECEIVE; DATA; SECRET; ENCRYPTION ;
SCRAMBLE

Index Terms/Additional Words: SECRET; ENCRYPTION; SCRAMBLE

Derwent Class: T01; W02; W04

International Patent Class (Additional): G06F-015/40; H04H-001/00;
H04L-013/08; H04N-001/21

File Segment: EPI

21/5/10 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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004722211

WPI Acc No: 1986-225553/198634

XRPX Acc No: N86-168308

Optical disk reader with controlled access to recorded data - has
second device reading encoded symbol indicating portions of disk to
which user is entitled to have access

Patent Assignee: SELSYS CORP (SELS-N)

Inventor: FELLINGER M W; SELBY H W

Number of Countries: 013 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8604720	A	19860814	WO 86US215	A	19860204	198634 B
EP 211068	A	19870225	EP 86901240	A	19860204	198708
US 4677604	A	19870630	US 85698109	A	19850204	198728
JP 62502081	W	19870813	JP 86500982	A	19860204	198738

Priority Applications (No Type Date): US 85698109 A 19850204

Cited Patents: US 4481412

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 8604720	A	E 14		
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Designated States (National): JP

Designated States (Regional): AT BE CH DE FR GB IT LU NL SE

EP 211068	A	E		
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Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE

Abstract (Basic): WO 8604720 A

A device is provided for reading data from a data base. A predetermined subset of the data bus is indicated by encoding on the readable media. The **encoded** indication is readable by another device. A further device prevents access to the data base other than in accordance with the **encoded** indication.

The readable media is **optical disk** media. The first reading device comprises a alser adapted to read data from the disk. The **encoded** indication is bar code readable by the second device. The data is permanently written on the media.

ADVANTAGE - Prevents access to data base other than for which proper **license** fee was paid. (14pp Dwg No. 1/1)

Title Terms: OPTICAL; DISC; READ; CONTROL; ACCESS; RECORD; DATA; SECOND;
DEVICE; READ; **ENCODE** ; SYMBOL; INDICATE; PORTION; DISC; USER; ENTITLE;
ACCESS

Derwent Class: T03; W04

International Patent Class (Additional): G11B-007/00; G11B-019/02

File Segment: EPI

21/5/14 (Item 14 from file: 347)
DIALOG(R)File 347:JAPIO
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04206032 **Image available**
INTERFACE FOR INFORMATION SELLING TERMINAL EQUIPMENT

PUB. NO.: 05-197732 [JP 5197732 A]
PUBLISHED: August 06, 1993 (19930806)
INVENTOR(s): SON MASAYOSHI
APPLICANT(s): SOFUTO BANKU KK [485287] (A Japanese Company or Corporation),
JP (Japan)
APPL. NO.: 03-332186 [JP 91332186]
FILED: December 16, 1991 (19911216)
INTL CLASS: [5] G06F-015/21; G06F-012/14; G06F-015/00; G07G-001/14
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 29.4
(PRECISION INSTRUMENTS -- Business Machines); 45.2
(INFORMATION PROCESSING -- Memory Units)
JAPIO KEYWORD: R108 (INFORMATION PROCESSING -- Speech Recognition &
Synthesis); R131 (INFORMATION PROCESSING -- Microcomputers &
Microprocessors)
JOURNAL: Section: P, Section No. 1646, Vol. 17, No. 624, Pg. 56,
November 17, 1993 (19931117)

ABSTRACT

PURPOSE: To make it possible to sell the charged information stored in a
portable recording medium distributed to a user immediately after forming a
selling **contract** .

CONSTITUTION: After forming the selling **contract** of charged information
loaded to a **CD** -ROM system 200 to be a storing medium, a password from a
telephone receiving operation center is received by a MODEM 203 and
collated with a password registered in a system password memory 204. After
collating both the passwords, **ciphered** charged information is read out
from the **CD** -ROM 200 based upon an instruction from a CPU 101 and
deciphered by a deciphering IC 201A

WEST

Help

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Interrupt

Main Menu

Search Form

Posting Counts

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Edit S Numbers

Preferences

Cases

Search Results -

Terms	Documents
L8 and (nondisclosure or agreement or signed or sign or licens\$ or contract\$)	3

Database:

US Patents Full-Text Database
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L9

Refine Search

Recall Text

Clear

Search History
DATE: Friday, November 21, 2003 [Printable Copy](#) [Create Case](#)
Set Name Query

side by side

Hit Count Set Name

result set

DB=TDBD; PLUR=YES; OP=OR

<u>L9</u>	L8 and (nondisclosure or agreement or signed or sign or licens\$ or contract\$)	3	<u>L9</u>
<u>L8</u>	L7 and @pd<19940719	57	<u>L8</u>
<u>L7</u>	L6 and @py<1994	57	<u>L7</u>
<u>L6</u>	l5 and l4	115	<u>L6</u>
<u>L5</u>	L4 @pd<19940719	74559	<u>L5</u>
<u>L4</u>	l2 and l3	115	<u>L4</u>
<u>L3</u>	L2 @py<1994	72073	<u>L3</u>
<u>L2</u>	L1 and key\$	115	<u>L2</u>
<u>L1</u>	cd or cdrom\$ or cds or optical adj1 (disc\$ or disk\$)	950	<u>L1</u>

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 3 of 3 returned.**☐ 1. Document ID: NN910570

L9: Entry 1 of 3

File: TDBD

May 1, 1991

TDB-ACC-NO: NN910570

DISCLOSURE TITLE: Information Distribution Via ROM Disks.

PUBLICATION-DATA:

IBM Technical Disclosure Bulletin, May 1991, US

VOLUME NUMBER: 33

ISSUE NUMBER: 12

PAGE NUMBER: 70 - 71

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc										

☐ 2. Document ID: NB8106816

L9: Entry 2 of 3

File: TDBD

Jun 1, 1981

TDB-ACC-NO: NB8106816

DISCLOSURE TITLE: Copier Access Control Feature with Internal Billing Data. June 1981.

PUBLICATION-DATA:

IBM Technical Disclosure Bulletin, June 1981, US

VOLUME NUMBER: 24

ISSUE NUMBER: 1B

PAGE NUMBER: 816 - 818

SECURITY: Use, copying and distribution of this data is subject to the restrictions in the Agreement For IBM TDB Database and Related Computer Databases. Unpublished - all rights reserved under the Copyright Laws of the United States. Contains confidential commercial information of IBM exempt from FOIA disclosure per 5 U.S.C. 552(b)(4) and protected under the Trade Secrets Act, 18 U.S.C. 1905.

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc										

☐ 3. Document ID: NN75122339

L9: Entry 3 of 3

File: TDBD

Dec 1, 1975

TDB-ACC-NO: NN75122339

DISCLOSURE TITLE: Procedure for Rectifying a Roughly Sketched Drawing. December 1975.

PUBLICATION-DATA:

IBM Technical Disclosure Bulletin, December 1975, US

VOLUME NUMBER: 18

ISSUE NUMBER: 7

PAGE NUMBER: 2339 - 2342

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Clip Img								

KMC

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Terms	Documents
L8 and (nondisclosure or agreement or signed or sign or licens\$ or contract\$)	3

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WEST

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L9: Entry 1 of 3

File: TDBD

May 1, 1991

DOCUMENT-IDENTIFIER: NN910570 TITLE: Information Distribution Via ROM Disks.

Publication Date (1):
19910501Publication Year (1):
1991Disclosure Text (1):

- This article describes a process for program and documentation distribution via the FULL ROM and PARTIAL ROM function of rewriteable disk media. - The distribution of new software releases, program temporary fixes (PTFs), microcode releases, microcode updates, and documentation is a costly and time-consuming process. This article addresses this problem by providing a lower cost means of replicating and distributing software, software PTFs, microcode, microcode ECs, and documentation while at the same time controlling access to only those users authorized to receive the information through the use of a Read-Only-Media capability on 130 mm disks. - The following elements were used to implement the process: 1. A FULL ROM or PARTIAL ROM DISK 2. On PARTIAL ROM disk, a rewriteable area that contains: a. A customized system for the target user. - b. Target system CPU serial number. - c. The decryption keys for the authorized licensed program products or documentation to be used to access the data in the ROM area. - 3. On PARTIAL ROM disk, a Read-Only-Media area that contains: a. A Utility program to verify the target CPU serial number of this distribution. - b. A Utility program to access the encrypted licensed program products or documentation in the Read-Only-Media area, decrypt the information using the keys, and load the decrypted information onto a hard disk. - c. The encrypted licensed product programs, encrypted licensed program product documentation, and the billable system documentation. - (For applications where all of the targets are receiving identical copies of the distribution - no tailored configurations, or options - the FULL ROM capability could be used.) OPERATIONAL PROCESS: The following is one scenario in which the ROM capability could be used to distribute program code and fixes, microcode and fixes, and documentation. - A PARTIAL ROM or FULL ROM disk is made that contains all current program products with each program product having its own unique encryption code. The system and program product documentation along with a unique encryption code is also placed on the disk. A stamper (the master for embossed disks) is made of this disk and a quantity of ROM disks are made and placed in inventory. - Upon receipt of an order from a customer, a PARTIAL ROM disk from stock is initialized (the rewriteable area only) and the system code is configured and written to a disk. The CPU serial number of the system targeted for this disk is written on the disk along with the list of authorized program products and their unique encryption codes. A list of the authorized system and program product documentation and the unique encryption codes are also written on the disk. The customized PARTIAL ROM disk is then sent to the customer. - Upon receipt of the customized PARTIAL ROM disk, the user executes the unload utility provided on the disk. This utility checks for the correct CPU serial number and installs the system. The utility installs the authorized program products by reading, decrypting (using the codes provided on the customized disk), and writing the programs to the system's magnetic disks. The utility then uploads the authorized product documentation using the same process. After successful completion of the uploading process, the utility transfers control to the newly installed system. - One alternate implementation proposal is where a FULL ROM disk is written with only the data contained in the ROM portion of a PARTIAL ROM disk. The data contained in the rewriteable portion of a PARTIAL ROM disk could be distributed by others means, such as floppy disks or tape. The majority of the cost incurred in distributing information is in the cost of duplicating the data - in this case the bulk of the data would be on the optical disk and the remaining variable information is on another media. - A second

implementation proposal is where a FULL ROM disk is written with only the data contained in the ROM portion of a PARTIAL ROM disk. The data contained in the rewriteable portion of a PARTIAL ROM disk could be distributed by telecommunication lines as the bulk of the distributed data would be sent by optical disk. - A combination of the above proposals could be used where a signification portion of the target systems have telecommunication capabilities and the remainder have only demountable media units. - The new features include the use of the PARTIAL or FULL ROM capability to distribute programs, microcode, and documentation: the protection against unauthorized access of program products through the use of encryption keys for the data recorded in the ROM area and the capability to distribute the dynamically written portion of the data on a PARTIAL ROM disk using other media (floppy disk or tape) or by telecommunication lines.